Shin-Lin Chen

RAW SEQUENCE LISTING
PATENT APPLICATION: **US/09/925,548A**

DATE: 05/19/2003
TIME: 11:18:37

Input Set : **D:\seqlist.txt**
Output Set: **N:\CRF4\05192003\I925548A.raw**

```
 4 <110> APPLICANT: Dedhar, Shoukat
 5        Hannigan, Greg
 6        Yee, Arthur
 8 <120> TITLE OF INVENTION: INTEGRIN-LINKED KINASE AND ITS USES
13 <130> FILE REFERENCE: KINE001CIF4
   <140> CURRENT APPLICATION NUMBER: 09/925,548A
14 <141> CURRENT FILING DATE: 2001-08-08
16 <150> PRIOR APPLICATION NUMBER: 09/390,405
17 <151> PRIOR FILING DATE: 1999-09-03
19 <150> PRIOR APPLICATION NUMBER: 09/035,706
20 <151> PRIOR FILING DATE: 1998-03-05
   <150> PRIOR APPLICATION NUMBER: 08/955,841
   <151> PRIOR FILING DATE: 1997-10-21
   <150> PRIOR APPLICATION NUMBER: 08/752,345
26 <151> PRIOR FILING DATE: 1996-11-19
28 <150> PRIOR APPLICATION NUMBER: 60/009,074
29 <151> PRIOR FILING DATE: 1995-12-21
31 <160> NUMBER OF SEQ ID NOS: 49
   <170> SOFTWARE: FastSEQ for Windows Version 4.0
33 <210> SEQ ID NO: 1
   <211> LENGTH: 1769
37 <212> TYPE: DNA
   <213> ORGANISM: Homo sapiens
40 <400> SEQUENCE: 1
```

ENTERED

```
41 gaattcatct gtcgacttgt accaaggcag ttcccoggag aaggatcctg cagcccgagt      60
   cccgcggata aacttcgggg ttcatcctcc ctccctggat cactccacag tcctcaggct     120
43 tcccaaatcc agcggactcg gcgcgcgcgc gctgct atg gac gac att ttc act        174
44 cag tgc ccg gag gtc aac gca gtc ccc gtt cgc ctg tgg ctg gac aac        222
45 acg gag aac gac ctc aac cac tgg gac gat cat ggc ttc tcc ccc ttg        270
46 tac tgg ccc tgc tta gag ttt agc tct gct gtg gtt gag atg ctg atc        318
47 atg cgg cgg cca cgg atc aat gta atg aac cgt ggg gat gac acc ccc        366
48 ctg cat ctg gca gcc aat aat cga cac cgt gat att gta cag aag cta        414
49 ttg cag tac aag gca gac atc aat gcg gtg aat gaa cac ggg aat gtg        462
50 gcc ctg aac tat gcc tgt ttt tgg ggc caa gat caa gtg gca gag gac        510
51 atg gtg gca aat tgg ggc ctc ctc aga atc tgt aac aag tat gga gag        558
52 atg cct gtg gac aaa gcc aag ccc ctg aga gag ctt ctc cga gag          606
53 agg tca gat aag atg gtc cag cat ctc aac cgc att cca tac aag gac        654
54 aca ttc tgt aag ggg acc acc cgc act cgg ccc cga aat gga acc ctg        702
55 aac aaa aac tct ggc att gac ttc aaa cag ctt aac ttc ctg acg aag        750
56 ctc aac gag aat cac tct gga gag cta tgg aag ggc cgc tgg cag ggc        798
57 aat gac att gtc gtg aag gtg ctg aag gtt cga gac tgg agt aca agg        846
58 cag agc agg gac ttc aat gaa gag tgt ccc cgg cta agg att ttc tcg        894
59 cat cca aat gtg ctc cca gtg cta ggt gcc tgc cag tct cca cct gct        942
```

RAW SEQUENCE LISTING

PATENT APPLICATION: **US/09/925,548A**

DATE: 05/19/2003
TIME: 11:18:37

Input Set : **D:\seqlist.txt**
Output Set: **N:\CRF4\05192003\I925548A.raw**

```
60 cct cat cct act ctc atc aca cac tgg atg ccg tat gga tcc ctc tac      995
61 aat gta cta cat gaa ggc acc aat ttc gtc gtg gac cag agc cag gct     1035
62 gtg aag ttt gct ttg gac atg gca agg ggc atg gcc ttc cta cac aca     1086
63 cta cag ccc ctc atc cca cga cat gca ctc aat agc cgt agt gta atg     1134
64 att gat gag gac atg act gcc cga att agc atg gct gat gtc aag ttc     1118
65 tct ttc caa tgt cct ggt cgc atg tat gca cct gcc tgg gta gcc ccc     1530
66 gaa gct ctg cag aag aag cct gaa gac aca aac aga cgc tca gca gac     1578
67 atg tgg agt ttt gca gtg ctt ctg tgg gaa ctg gtg aca cgg gag gta     1626
68 gcc tct gct gac ctc tcc aat atg gag att gga atg aag gtg gca ttg     1674
69 gaa ggc ctt cgg cct acc atc cca cca ggt att tcc cct cat gtg tgt     1422
70 aag ctc atg aag atc tgc atg aat gaa gac cct gca aag cga ccc aaa     1470
71 ttt gac atg att gtg cct atc ctt gag aag atg cag gac aag           1512
72 taggcctgga aggtccttgc ctgaactcca gaggtgtcgg gacatggttg ggggaatgca   1572
73 cctcccaaa gcagcaggcc tctggttgcc tccccgcct ccagtcatgg tactaccca     1663
74 gcctgggtc catcccttc ccccatccct accactgtgc gcaagagggg cgggctcaga     1694
75 gcttgtcac ttgccacatg gtgtctccca acatgggagg gatcagcccc gcctgtcaca    1753
76 ataaagttta ttatgaaaaa aaaaaaaaaa aaaaaaa                            1789
77 <210> SEQ ID NO: 2
80 <211> LENGTH: 452
81 <212> TYPE: PRT
82 <213> ORGANISM: Homo sapiens
83 <400> SEQUENCE: 2
```

```
84 Met Asp Asp Ile Phe Thr Gln Cys Arg Glu Gly Asn Ala Val Ala Val
85  1                   5                  10                  15
86 Arg Leu Trp Leu Asp Asn Thr Glu Asn Asp Leu Asn Gln Gly Asp Asp
87         20                  25                  30
88 His Gly Phe Ser Pro Leu His Trp Ala Cys Arg Glu Gly Arg Ser Ala
89         35                  40                  45
90 Val Val Glu Met Leu Ile Met Arg Gly Ala Arg Ile Asn Val Met Asn
91      50                  55                  60
92 Arg Gly Asp Asp Thr Pro Leu His Leu Ala Ala Ser His Gly His Arg
93 65                  70                  75                  80
94 Asp Ile Val Gln Lys Leu Leu Gln Tyr Lys Ala Asp Ile Asn Ala Val
95         85                  90                  95
96 Asn Glu His Gly Asn Val Pro Leu His Tyr Ala Cys Phe Trp Gly Gln
97         100                 105                 110
98 Asp Gln Val Ala Glu Asp Leu Val Ala Asn Gly Ala Leu Val Ser Ile
99 115                 120                 125
100 Cys Asn Lys Tyr Gly Glu Met Pro Val Asp Lys Ala Lys Ala Pro Leu
101     130                 135                 140
102 Arg Glu Leu Leu Arg Glu Arg Ala Glu Lys Met Gly Gln Asn Leu Asn
103 145                 150                 155                 160
104 Arg Ile Pro Tyr Lys Asp Thr Phe Trp Lys Gly Thr Thr Arg Thr Arg
105     165                 170                 175
106 Pro Arg Asn Gly Thr Leu Asn Lys His Ser Gly Ile Asp Phe Lys Gln
107     180                 185                 190
108 Leu Asn Phe Leu Thr Lys Leu Asn Glu Asn His Ser Gly Glu Leu Trp
109     195                 200                 205
110 Lys Gly Arg Trp Gln Gly Asn Asp Ile Val Val Lys Val Leu Lys Val
```

```
113      210                    215                  220
112  Arg Asp Trp Ser Thr Arg Lys Ser Arg Asp Phe Asn Glu Glu Cys Pro
114  225                230                  235                  240
115  Arg Leu Arg Ile Phe Ser His Pro Asn Val Leu Pro Val Leu Gly Ala
116                    245                  250                  255
117  Cys Gln Ser Pro Pro Ala Pro His Pro Thr Leu Ile Thr His Trp Met
118                260                  265                  270
119  Pro Tyr Gly Ser Leu Tyr Asn Val Leu His Glu Gly Thr Asn Phe Val
120           275                  280                  285
121  Val Asp Gln Ser Gln Ala Val Lys Phe Ala Leu Asp Met Ala Arg Gly
12           290                  295                  200
123  Met Ala Phe Leu His Thr Leu Glu Pro Leu Ile Pro Arg His Ala Leu
124  205                310                  315                  320
125  Asn Ser Arg Ser Val Met Ile Asp Glu Asp Met Thr Ala Arg Ile Ser
1.0                325                  350                  335
117  Met Ala Asp Val Lys Phe Ser Phe Gln Cys Pro Gly Arg Met Tyr Ala
118                340                  345                  350
119  Pro Ala Trp Val Ala Pro Glu Ala Leu Gln Lys Lys Pro Glu Asp Thr
130           355                  360                  365
131  Asn Arg Arg Ser Ala Asp Met Trp Ser Phe Ala Val Leu Leu Trp Glu
132       370                  375                  380
133  Leu Val Thr Arg Glu Val Pro Phe Ala Asp Leu Ser Asn Met Glu Ile
134  385                390                  395                  400
135  Gly Met Lys Val Ala Leu Glu Gly Leu Arg Pro Thr Ile Pro Pro Gly
130                405                  410                  415
137  Ile Ser Pro His Val Cys Lys Leu Met Lys Ile Cys Met Asn Glu Asp
138                420                  425                  430
139  Pro Ala Lys Arg Pro Lys Phe Asp Met Ile Val Pro Ile Leu Glu Lys
140           435                  440                  445
141  Met Gln Asp Lys
142       450
145  <210> SEQ ID NO: 3
146  <211> LENGTH: 19
147  <212> TYPE: DNA
148  <213> ORGANISM: Homo sapiens
150  <400> SEQUENCE: 3
151  agtccatagc agcgtcccg                                        19
153  <210> SEQ ID NO: 4
154  <211> LENGTH: 18
155  <212> TYPE: DNA
156  <213> ORGANISM: Homo sapiens
158  <400> SEQUENCE: 4
159  accctgctag cagtcgac                                         18
161  <210> SEQ ID NO: 5
162  <211> LENGTH: 19
163  <212> TYPE: DNA
164  <213> ORGANISM: Homo sapiens
166  <400> SEQUENCE: 5
167  ccttgtccgg ggaactccc                                        19
```

RAW SEQUENCE LISTING
PATENT APPLICATION: US/09/925,548A

DATE: 05/19/2003
TIME: 11:18:37

Input Set : D:\seqlist.txt
Output Set: N:\CRF4\05192003\I925548A.raw

```
169 <210> SEQ ID NO: 6
170 <211> LENGTH: 19
171 <212> TYPE: DNA
172 <213> ORGANISM: Homo sapiens
174 <400> SEQUENCE: 6
175 cgggactcgg gctacagga                                        19
177 <210> SEQ ID NO: 7
178 <211> LENGTH: 19
179 <212> TYPE: DNA
180 <213> ORGANISM: Homo sapiens
182 <400> SEQUENCE: 7
183 gcttratcct cgggactcc                                        19
185 <210> SEQ ID NO: 8
186 <211> LENGTH: 19
187 <212> TYPE: DNA
188 <213> ORGANISM: Homo sapiens
190 <400> SEQUENCE: 8
191 gggagtatg atgaccccc                                         19
193 <210> SEQ ID NO: 9
194 <211> LENGTH: 19
195 <212> TYPE: DNA
196 <213> ORGANISM: Homo sapiens
198 <400> SEQUENCE: 9
199 gcctgangac tgtcggacta                                       19
201 <210> SEQ ID NO: 10
202 <211> LENGTH: 18
203 <212> TYPE: DNA
204 <213> ORGANISM: Homo sapiens
206 <400> SEQUENCE: 10
207 gcggaagcct gagaactg                                         18
209 <210> SEQ ID NO: 11
210 <211> LENGTH: 19
211 <212> TYPE: DNA
212 <213> ORGANISM: Homo sapiens
214 <400> SEQUENCE: 11
215 gggtgagaat gtcgtccat                                        19
217 <210> SEQ ID NO: 12
218 <211> LENGTH: 19
219 <212> TYPE: DNA
220 <213> ORGANISM: Homo sapiens
221 <400> SEQUENCE: 12
223 atcggcgact tcgttgccc                                        19
225 <210> SEQ ID NO: 13
226 <211> LENGTH: 19
227 <212> TYPE: DNA
228 <213> ORGANISM: Homo sapiens
230 <400> SEQUENCE: 13
231 catggtcgg ccttagggg                                         19
233 <210> SEQ ID NO: 14
```

RAW SEQUENCE LISTING   DATE: 05/19/2003
PATENT APPLICATION: US/09/925,548A   TIME: 11:18:37

Input Set : **D:\seqlist.txt**
Output Set: **N:\CRF4\05192003\I925548A.raw**

```
224 <211> LENGTH: 19
225 <212> TYPE: DNA
226 <213> ORGANISM: Homo sapiens
228 <400> SEQUENCE: 14
229 cggtgaggt cgttcttcg                                          19
241 <210> SEQ ID NO: 15
242 <211> LENGTH: 19
243 <212> TYPE: DNA
244 <213> ORGANISM: Homo sapiens
246 <400> SEQUENCE: 15
247 gaagccatga tcgtcccc                                          19
248 <210> SEQ ID NO: 16
250 <211> LENGTH: 19
251 <212> TYPE: DNA
252 <213> ORGANISM: Homo sapiens
254 <400> SEQUENCE: 16
255 gaggcccagt gcaacgagg                                         19
257 <210> SEQ ID NO: 17
258 <211> LENGTH: 19
259 <212> TYPE: DNA
260 <213> ORGANISM: Homo sapiens
262 <400> SEQUENCE: 17
263 cggccctctc ggcaggcc                                          19
265 <210> SEQ ID NO: 18
266 <211> LENGTH: 19
267 <212> TYPE: DNA
268 <213> ORGANISM: Homo sapiens
270 <400> SEQUENCE: 18
271 ccacagcaca ccggccctc                                         19
273 <210> SEQ ID NO: 19
274 <211> LENGTH: 19
275 <212> TYPE: DNA
276 <213> ORGANISM: Homo sapiens
278 <400> SEQUENCE: 19
279 cngcctgatc aacatctc                                          18
281 <210> SEQ ID NO: 20
282 <211> LENGTH: 18
283 <212> TYPE: DNA
284 <213> ORGANISM: Homo sapiens
286 <400> SEQUENCE: 20
287 ttgatccgtg cccccccgc                                         18
289 <210> SEQ ID NO: 21
290 <211> LENGTH: 19
291 <212> TYPE: DNA
292 <213> ORGANISM: Homo sapiens
294 <400> SEQUENCE: 21
295 catcccacg gttcattac                                          19
297 <210> SEQ ID NO: 22
298 <211> LENGTH: 19
```

VERIFICATION SUMMARY
PATENT APPLICATION: US/09/925,548A

DATE: 05/19/2003
TIME: 11:18:38

Input Set : D:\seqlist.txt
Output Set: N:\CRF4\05192003\I925548A.raw